(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 4 March 2004 (04.03.2004)

PCT

(10) International Publication Number WO 2004/018632 A2

(51) International Patent Classification7:

C12N

(21) International Application Number:

PCT/US2003/026334

(22) International Filing Date: 22 August 2003 (22.08.2003)

(25) Filing Language:

(26) Publication Language:

English

(30) Priority Data: 60/405,421

23 August 2002 (23.08.2002)

(71) Applicant (for all designated States except US): SANG-AMO BIOSCIENCES, INC. [US/US]; Point Richmond Tech Center, Suite A100, 501 Canal Boulevard, Richmond, CA 94804 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): SNOWDEN, Andrew [GB/US]; 3400 Richmond Parkway, Apt.3624, Richmond, CA 94806 (US).

(74) Agent: PASTERNAK, Dahna, S.; Robins & Pasternak LLP, 1731 Embarcadero Road, Suite 230, Palo Alto, CA 94303 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: HIGH-THROUGHPUT SCREEN FOR MODULATORS OF CHROMATIN MODIFYING ACTIVITY

(57) Abstract: Disclosed herein are compositions and method useful in screening a compound for its ability to modulate the activity of a chromatin modifying enzyme. These include fusions between a targeted DNA-binding domain and a chromatin modifying enzyme (or functional fragment thereof), polynucleotides encoding such fusions, and methods for their use.